TP-00368

TP-00368

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey ..Shoreline.....

Job No. ...PH-7110..... *Map No.* TP-00368....

Classification No. *Edition No.* ....1.....

Final Field Edited Map

LOCALITY

State ...Washington.....

General Locality ....Hood Canal.....

Locality ...Lilliwap Bay.....

.....

19 71 TO 19 72

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP-00368

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH-7110

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Norfolk, Va.

OFFICER-IN-CHARGE
Jeffrey G. Carlen, CDR

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED
JOB PH-
MAP CLASS
SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	July 15, 1971	Field	April 30, 1971
Compilation	December 13, 1971		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [XX] MEAN HIGH-WATER [ ] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: Washington; ZONE: South

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytical	BY	D. Norman	Nov 1971
	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	Dec 1971
	CHECKED BY	D. Phillips	Dec 1971
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000	PLANIMETRY BY	L. O. Neterer	Jan 1972
	CHECKED BY	R. R. White	Jan 1972
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: SCALE: 1:10,000	PLANIMETRY BY	R. J. Pate	Jan 1972
	CHECKED BY	A. L. Shands	Jan 1972
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	R. J. Pate	Jan 1972
	CHECKED BY	A. L. Shands	Jan 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	A. L. Shands	Feb 1972
6. APPLICATION OF FIELD EDIT DATA	BY	R. R. White	May 1974
	CHECKED BY	F. Margiotta	Sep 1975
7. COMPILATION SECTION REVIEW	BY	F. Margiotta	Sep 1975
8. FINAL REVIEW	BY	C. Blood	Aug 1988
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Byrd	Sep 1988
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Jan 1989
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	J. Rikon	MAR 1989

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00368

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E" FL = 152.71mm

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Pacific — [X] STANDARD
MERIDIAN: 120th — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71 E(C) 4227-4232	5/2/71	12:56	1:20,000	5.2 ft. above MLLW
*71 E(C) 4032-and 4035	5/2/71	10:31	1:30,000	7.8 ft. above MLLW

REMARKS
*Compilation photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was delineated from the listed compilation photographs.

3. SOURCE OF ~~MEAN LOW-WATER OR~~ MEAN LOWER LOW-WATER LINE:

None compiled.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-00369	TP-00371	No Survey

REMARKS

NOAA FORM 76-36B
(3-72)

☆U.S.GOVERNMENT PRINTING OFFICE: 1985-564-007

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00368

HISTORY OF FIELD OPERATIONS

1. XX [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. B. Melby	Apr 1971
2. HORIZONTAL CONTROL	RECOVERED BY	R. B. Melby	Apr 1971
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	L. L. Riggers	Apr 1971
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	None	
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY XX [XX] NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
71E(C)4033	MILLER 2, 1934		

3. PHOTO NUMBERS *(Clarification of details)*

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: [ ] REPORT [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*

1 form 152

☆U.S. Government Printing Office: 1975 — 665-661/1110, Region No. 6

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00368

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		G. Poor	Apr/May'72
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	S. Birkey	May 1972
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: None

2. VERTICAL CONTROL IDENTIFIED: NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

71E(C) 4228-4231, 71E(C) 4242

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71E(C)4230	BOAT HOIST		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)

Field edit ozalid, Hydro Signals
Field Edit Report

NOAA FORM 76-36C
(3-72)

☆U.S. Government Printing Office: 1975 – 665-661/1110, Region No. 6

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00368

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Jan 1972	Class III Map	2/25/77	2/23/72
Field edit applied	May 1974	Class I Map	8/24/83	
Final Review	Aug 1988	Final		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			1 Landmark

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Dec. 14, 1977
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

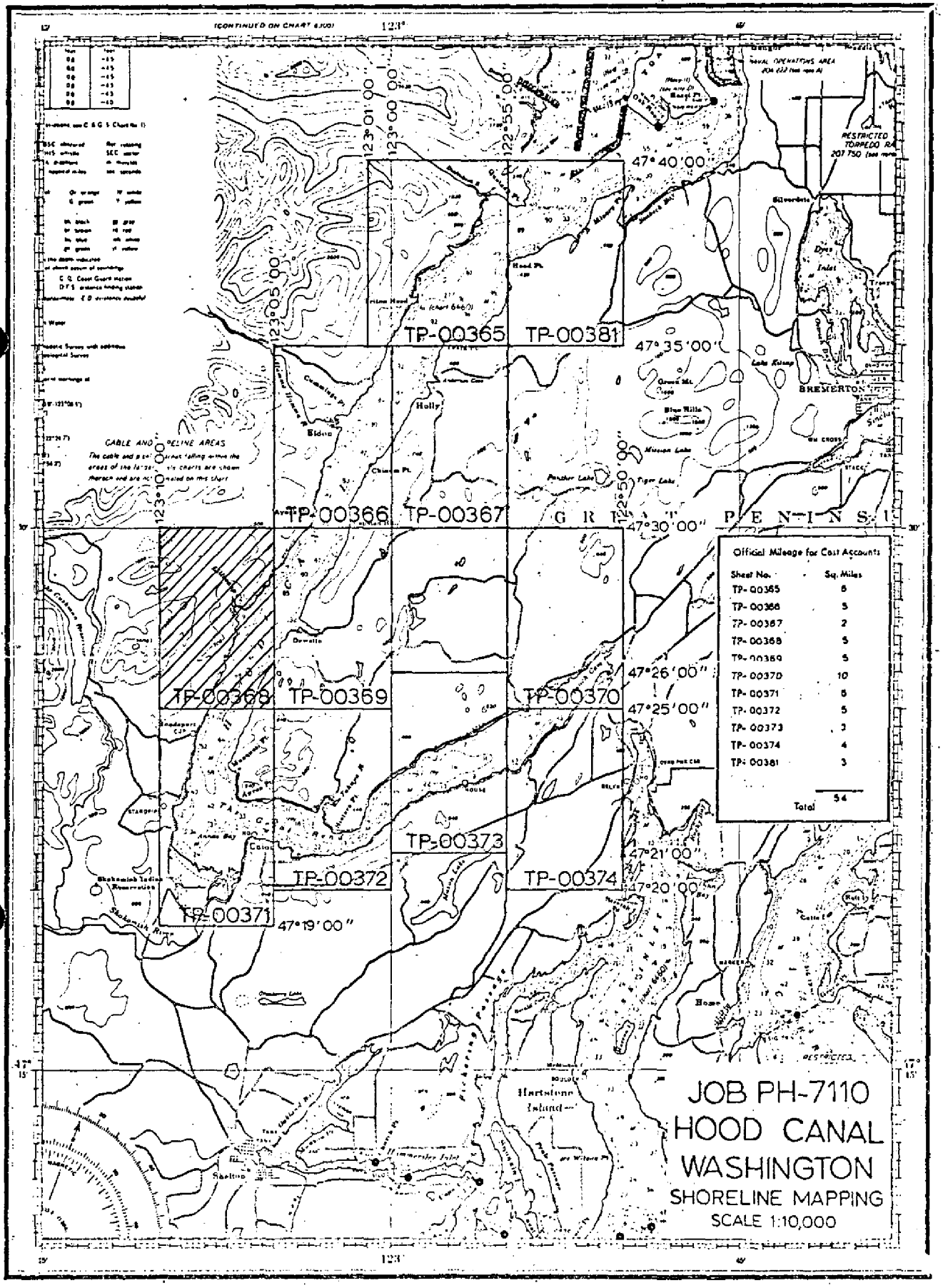
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

☆ U.S. GPO: 1977-765-092/1106 Region 6


TP-00365
TP-00381
TP-00366
TP-00367
TP-00368
TP-00369
TP-00370
TP-00371
TP-00372
TP-00373
TP-00374
47°40'00"
47°35'00"
47°30'00"
47°26'00"
47°25'00"
47°21'00"
47°20'00"
47°19'00"
123°01'00"
123°00'00"
122°55'00"
123°05'00"
123°10'00"
122°50'00"
BREMERTON
Holly
Official Mileage for Cost Accounts
Sheet No. Sq. Miles
TP-00365 6
TP-00366 5
TP-00367 2
TP-00368 5
TP-00369 5
TP-00370 10
TP-00371 6
TP-00372 5
TP-00373 3
TP-00374 4
TP-00381 3
Total 54
JOB PH-7110
HOOD CANAL
WASHINGTON
SHORELINE MAPPING
SCALE 1:10,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00368

This 1:10,000 scale Final shoreline map is one of eleven 1:10,000 scale maps designated as project PH-7110, Hood Canal, Washington.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation in April 1971, consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in May 1971 with the RC-8 "E" camera at 1:20,000 and 1:30,000 scale using natural color film.

Aerotriangulation was completed at the Washington office in November 1971.

This map was compiled at the Norfolk office in February 1972.

Field edit was acquired for TP-00368 during the 1972 field season. Field edit was applied at AMC in September 1975.

Final review was accomplished at the Atlantic Marine Center in August 1988. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-00368

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT
Hood Canal, Washington
Job PH-7110
November 1971

21. Area Covered

This report pertains to Hood Canal in the state of Washington. The sheets covered are TP-00381 and TP-00365 thru TP-00374.

22. Method

Two strips (71-E-4018 thru 4028 and 71-E-4029 thru 4044) of 1:30,000 scale color and one strip (71-E-4197 thru 4204) of 1:20,000 scale color photography were bridged by analytic aerotriangulation methods. Positions were determined for points for computing ratios. The data for ruling projections, grids and plotting points for compilation were furnished to the Coradomat to be plotted on the Washington, South Zone, State Plane Coordinate System.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for the strips.

25. Photography

The photography was adequate.

Submitted by:

Don O. Norman

Don O. Norman

Approved and Forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section

FIT TO CONTROL

▲ held in adjustment
▣ tie point held in adjustment
□ tie point used as check
(x, y) in feet

STRIP 1

▲ 1 LYNCH 1934, subpoint (-0.0, +0.1)
▲ 2 GREEN POINT 2 1934, subpoint (+0.1, -0.2)
▲ 3 SMOKE 1934, subpoint (-0.0, +0.2)
▲ 4 INDIAN 1934 (-0.0, -0.1)
□ 30801 (-1.5, +1.0)
□ 30802 (-2.6, -0.6)

STRIP 2

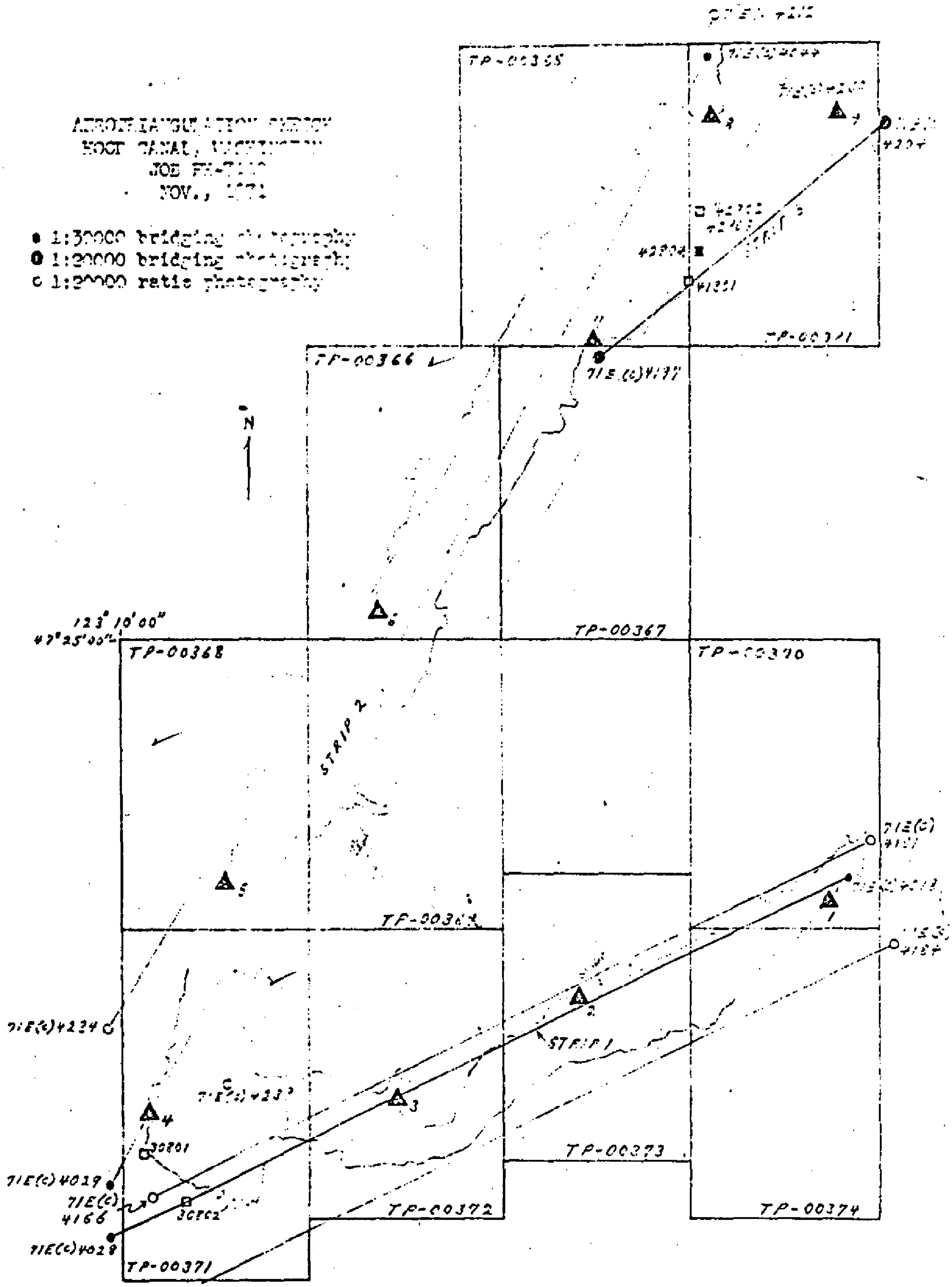
▲ 4 INDIAN 1934 (+0.5, -0.2)
▲ 5 MILLER 2, 1934, subpoint (-0.9, +0.5)
▲ 6 AYOCKS POINT 4, 1959, subpoint (+0.1, +0.0)
▲ 7 TEKIU 3, 1971, subpoint (+0.7, -0.8)
▲ 8 QUATSAP 2, 1934, subpoint (-0.4, +0.4)

STRIP 3

▲ 7 TEKIU 3, 1971, subpoint (0.0, 0.0)
▣ 42804 (0.0, 0.0)
▲ 9 BOULDER 1878, subpoint (0.0, 0.0)
□ 41801 (+0.6, +0.6)
□ 42802 (+3.0, -1.0)
□ 42803 (+1.6, +1.5)

AEROTRIANGULATION SKETCH
HOOD CANAL, WASHINGTON
JOB PH-7[illegible]
NOV., 1971

- ● 1:30000 bridging photography
- ◉ 1:20000 bridging photography
- ○ 1:20000 ratio photography



NOAA FORM 76-41
(6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00368	PH-7110	NA 1927	Coastal Mapping Division, Norfolk, Va.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Washington ZONE South	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
MILLER 2, 1934	VOL I Pg. 1680	33100	x=	φ 47 26 03.514	
			y=	λ 123 07 07.648	
CABIN 2, 1934	VOL I Pg. 1633	41	x=	φ 47 28 22.966	
			y=	λ 123 05 16.889	
WINDFALL 2, 1934	VOL I Pg. 1680	43	x=	φ 47 25 01.083	
			y=	λ 123 07 48.780	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
A. C. Rauck, Jr.	12/8/71	C. Blood	12/13/71
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

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COMPILATION REPORT

TP-00368

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale, color photographs. The stage of tide was above mean lower low-water at the time of photography, therefore, detail which covers by tidal water is only partially compiled.

The quality of the photography is adequate for shoreline compilation.

32. CONTROL:

Refer to the Photogrammetric Plot Report, dated November 1971.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from the compiler's interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high-water line and alongshore details were delineated from the compiler's interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore details was delineated from the compiler's interpretation of the photographs. Details which were covered by water at the time of photography, were not compiled.

37. LANDMARKS AND AIDS:

There were no charted nonfloating aids to navigation. One landmark was noted during stereoscopic instrument compilation and Form 76-40 was forwarded for field investigation.

38. CONTROL FOR FUTURE SURVEY:

None.

39. JUNCTIONS:

A satisfactory junction was made with all adjoining contemporary maps. Refer to the Data Record Form 76-36B, item 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with U.S. Geological Survey quadrangle Potlatch, Washington, scale 1:62,500, dated 1952.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with U.S. Coast and Geodetic Survey Chart 6460, scale 1:80,000, 11th edition, dated July 25, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:
Charles Blood
for
R. J. Pate
Cartographic Technician
January 26, 1972

Approved and forwarded:
J. Byrd K. Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

APR 1 1987
15

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7110 (Hood Canal, Washington)

TP-00368

Clark Creek
Hood Canal
Lilliwaup
Lilliwaup Bay
Lilliwaup Creek
Miller Creek
Sund Creek

Approved:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

Hood Canal, Washington

April-May 1972

Map Manuscripts: TP-00381,TP-00365,
TP-00366,TP-00367,TP-00368,TP-00369,
TP-00371

Project OPR-412-MA-72

Field Edit Report

Hood Canal, Washington

Manuscripts: TP-00381,TP-00365,TP-00366
TP-00367,TP-00368,TP-00369,TP-00371

This report covers the area of Hood Canal bounded on the north by latitude 47° 40' 00" and on the south by latitude 47° 19' 00".

The entire shoreline was inspected by vehicle or small boat. The shoreline and alongshore features were compared with the field edit copies of the manuscript and the field edit color photographs. The field edit copies (discrepancy prints) of the map manuscripts were used as the index for field corrections. Three-point sextant fixes taken to delineate the mean high water line or the positions of other alongshore features are recorded on the appropriate Field Edit Ozalid. Positions of features determined by their relationship to photogrammetrically identified objects are referenced on the appropriate Field Edit Ozalid and recorded on the photograph indicated on the Field Edit Ozalid.

Adequacy of the Compilation

The accuracy of the maps appear adequate for navigation, however the current charts are lacking detail. All discrepancies were investigated and resolved.

New construction is prevalent in the area. All new piers and bulkheads were located by three-point sextant fixes. All pilings, dolphins, and ruins, which did not appear on the discrepancy sheets were also located by three-point fixes.

The mean high water line was established throughout the surveyed area either by three-point fixes or by measuring to the mean high water line from a known point of reference. Shore line areas where streams and rivers enter Hood Canal were extensively delineated. Changes to the shore line were dashed in with purple ink. Marsh areas are designated as such. Rocks and shoals were investigated. In the majority of cases, elevations of rocks and shoals were related to the elevation of the feature above the water at the time it was visited by direct measurement. In those instances where this was not possible, the height of the feature above mean high water (as estimated from vegetation on the face of the feature for example) was measured.

Purple ink was used to indicate corrections on the discrepancy sheets. Red-orange ink was used for the annotations of the field edit photographs. Green ink was used on the discrepancy prints to indicate deletions.

Where small coves made it impossible to carry on field edit work using established signals for sextant cuts, signals were photo located. Triton Cove, DeWatto Bay and Pleasant Harbor were field edited using photo located signals.

There were no fixed aids to navigation in the area surveyed. All features of landmark value were investigated and designated as such on the discrepancy sheets. All significant landmarks have been listed on form 567.

A list of geographic positions used in field edit work is included in this report.

SUBMITTED BY:

Steven R. Birkey

Steven R. Birkey
LTJG, NOAA

APPROVED AND FORWARDED:

George M. Poor

George M. Poor
CDR, NOAA
Commanding

REVIEW REPORT
SHORELINE

TP-00368

61. GENERAL STATEMENT:

See the summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the following Hydrographic Surveys:

H-9320, 1:10,000 scale, dated 1972
H-9345, 1:10,000 scale, dated 1972-2973.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 18476, 1:40,000 scale, dated September 15, 1984. The chart compared well with this manuscript.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:

James L. Byrd, Jr.

James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

Billy H. Barnes

Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Chief, Photogrammetric Productions Sec. Chief, Photogrammetry Branch

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ____________

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.